

## ABSTRACT

1        This invention is a screening method. The input image is  
2 divided into a plurality of supercells. These supercells are  
3 divided into a plurality of individual cells. An expanded  
4 cell is defined larger than each of the individual cells. A  
5 map of an input gray scale tone to an output gray scale tone  
6 is defined for each pixel of the expanded cell. The screening  
7 takes place for each pixel of the input image. First the  
8 method determines a pixel of the expanded cell corresponding  
9 to the input pixel. Then the output gray scale tone  
10 corresponding to the pixel of the expanded cell is recalled.